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(71) Applicants (*for all designated States except US*): **KECK GRADUATE INSTITUTE [US/US]; 535 Watson Drive, Claremont, CA 91711 (US). ALDER BIOPHARMACEUTICALS, INC. [US/US]; 21823 30th Drive SE, Suite 200, Bothel, WA 98021 (US).**

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **CREGG, James M. [—/US]; 535 Watson Drive, Claremont, CA 91711 (US). LATHAM, John [—/US]; 2409 10th Avenue W., Seattle, WA 98119 (US). LITTON, Mark [—/US]; 913 W. Raye Street, Seattle, WA 98119 (US). SCHATZMAN, Randall [—/US]; 5733 238th Place NE, Redmond, WA 98053 (US). TOLSTORUKOV, Ilya I. [—/US]; 174 Marywood Avenue, Claremont, CA 91711 (US).**

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(54) Title: METHODS OF SYNTHESIZING HETEROMULTIMERIC POLYPEPTIDES IN YEAST USING A HAPLOID MATING STRATEGY

(57) Abstract: Methods are provided for the synthesis and secretion of recombinant hetero-multimeric proteins in mating competent yeast. A first expression vector is transformed into a first haploid cell; and a second expression vector is transformed into a second haploid cell. The transformed haploid cells, each individually synthesizing a non-identical polypeptide, are identified and then genetically crossed or fused. The resulting diploid strains are utilized to produce and secrete fully assembled and biologically functional hetero-multimeric protein.